## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref#        | Hits | Search Query  | DBs                          | Default<br>Operator | Plurals | Time Stamp          |
|-------------|------|---|------------------------------|---------------------|---------|---------------------|
| S1          | 1    | ("5563426").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/07/23<br>10:09 |
| S2          | 1    | S1 and (Ni or nickel)   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>10:09 |
| S3          | 1    | ("5403772").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/07/23<br>10:25 |
| S4          | 1    | S3 and (Ni or nickel)   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>10:26 |
| <b>\$</b> 5 | 410  | (TFT or thin adj film<br>adj transistor) and<br>(Ni or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>14:28 |
| S6          | 341  | S5 and (matrix or pixel or display) and (driv\$3 or peripheral)   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>14:29 |
| S7          | 1    | ("5569935").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/07/23<br>15:22 |
| S8          | 1    | S7 and (matrix or pixel or display) and (driv\$3 or peripheral)   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>15:22 |
| S9          | 1    | ("5534716").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2008/07/23<br>16:31 |
| S10         | 1    | S9 and (matrix or pixel or display) and (driv\$3 or peripheral)   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | ON      | 2008/07/23<br>16:31 |

| S11 | 1   | ("5605846").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:16 |
|-----|-----|---|------------------------------|----|-----|---------------------|
| S12 | 1   | ("5569610").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:51 |
| S13 | 1   | ("5656825").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:59 |
| S14 | 1   | ("5585291").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>10:20 |
| S15 | 1   | ("5624831").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>10:30 |
| S16 | 410 | (TFT or thin adj film<br>adj transistor) and<br>(Ni or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S17 | 341 | S16 and (matrix or pixel or display) and (driv\$3 or peripheral)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S18 | 69  | S16 not S17   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S19 | 1   | ("5501989").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>11:02 |
| S20 | 1   | ("5534716").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>13:58 |
| S21 | 1   | S20 and (H or<br>hydrogen)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>13:58 |
| S22 | 1   | S20 and (halogen or<br>F or fluorine or Cl or<br>chlorine or Br or<br>bromine or I or<br>iodine)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>14:07 |
| S23 | 1   | S20 and (oxygen or nitrogen or carbon)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>15:17 |

| S24  | 169  | (TFT or thin adj film<br>adj transistor) with<br>channel with length<br>and @ad<br><"19940831"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>15:55 |
|------|------|--|------------------------------|----|-----|---------------------|
| S25  | 1954 | s adj value and @ad<br><"19940831"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>16:22 |
| S26  | 4    | (TFT or thin adj film<br>adj transistor) with<br>s adj value and @ad<br><"19940831"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>16:23 |
| S27  | 1413 | (257/66).OCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:23 |
| \$28 | 65   | S27 and (TFT or<br>thin adj film adj<br>transistor) and (Ni<br>or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:23 |
| S29  | 179  | (257/70).OCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:23 |
| S30  | 14   | S29 and (TFT or<br>thin adj film adj<br>transistor) and (Ni<br>or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:23 |
| S31  | 116  | (257/E29.292).<br>CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:24 |
| S33  | 1318 | (257/E29.293).<br>CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:24 |

| S34  | 78  | S33 and (TFT or<br>thin adj film adj<br>transistor) and (Ni<br>or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:24 |
|------|-----|--|------------------------------|----|-----|---------------------|
| \$35 | 349 | (257/E29.294).<br>CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:24 |
| S36  | 24  | S35 and (TFT or<br>thin adj film adj<br>transistor) and (Ni<br>or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:24 |
| S37  | 7   | (("5563426") or<br>("5639698") or<br>("5608232") or<br>("5616506") or<br>("5534716") or<br>("5614733") or<br>("5605846")).PN.                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/01/06<br>12:36 |
| S38  | 7   | \$37 and (Ni or nickel) with concentration   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/01/06<br>12:38 |
| S39  | 1   | ("5569610").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/01/06<br>13:25 |
| S40  | 1   | S39 and (Ni or<br>nickel) with<br>concentration  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/01/06<br>13:25 |
| S41  | 2   | (("5643826") or<br>("5569610")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/06/11<br>10:38 |
| S42  | 2   | S41 and (Ni or<br>nickel)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/06/11<br>10:39 |

| S43         | 17  | ("Ni" or nickel) with<br>peripheral and (TFT<br>or thin adj film adj<br>transistor) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:30 |
|-------------|-----|--|------------------------------|----|----|---------------------|
| <b>S</b> 44 | 124 | ("Ni" or nickel) and<br>peripheral with (TFT<br>or thin adj film adj<br>transistor) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:52 |
| <b>S</b> 45 | 113 | ("Ni" or nickel) and<br>peripheral with (TFT<br>or thin adj film adj<br>transistor) and<br>crystalliz\$5 and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:53 |
| \$46        | 131 | ("4394191"   "4951113"   "4963503"   "5032531"   "5064775"   "5202274"   "5231039"   "5262654"   "5278093"   "5287205"   "5289030"   "5294555"   "5306651"   "5308998"   "5317432"   "5320973"   "5326712").PN. OR ("5403762").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:54 |
| S47         | 14  | S46 and ("Ni" or<br>nickel) and (TFT or<br>thin adj film adj<br>transistor) and<br>crystalliz\$5 and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:55 |

| S48 | 1   | ("5403772").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/03/30<br>10:55 |
|-----|-----|--|------------------------------|----|-----|---------------------|
| S49 | 445 | ("Ni" or nickel) with<br>crystalli\$6 with (Si<br>or silicon) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S50 | 232 | ("Ni" or nickel) with<br>crystalliz\$5 with (Si<br>or silicon) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S51 | 158 | ("Ni" or nickel) with<br>crystalliz\$5 with (Si<br>or silicon) and (TFT<br>or thin adj film adj<br>transistor) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S52 | 58  | (Shunpei with<br>Yamazaki).in. and<br>("Ni" or nickel) and<br>(TFT or thin adj film<br>adj transistor) and<br>(@rlad <<br>"19940829" or @ad<br>< "19940829")         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:30 |
| S53 | 1   | ("5563426").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/03/30<br>11:37 |

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